

10662799\_CLS.txt  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10662799 on January 13, 2006

Original Classifications

19 707/3  
18 715/513  
15 707/100  
14 707/102  
11 707/4  
7 707/1  
7 707/10  
7 707/103R  
7 707/2  
6 707/104.1  
5 707/101  
5 707/5  
4 707/203  
4 707/6  
3 370/223  
3 540/200  
3 568/808  
3 717/137  
2 235/462.01  
2 332/103  
2 504/241  
2 514/531  
2 544/316  
2 704/9  
2 709/217  
2 709/225  
2 713/167  
2 713/176  
2 714/38  
2 715/501.1  
2 715/523  
2 715/762  
2 717/108  
2 726/9

Cross-Reference Classifications

27 715/513  
23 707/3  
21 707/100  
21 707/102  
21 707/104.1  
19 707/101  
17 707/4  
14 707/10  
9 707/103R  
9 707/2  
7 707/5  
7 715/523  
6 707/1  
6 707/6  
6 709/217  
6 987/113  
5 707/200  
5 709/203  
5 715/514  
4 709/219  
3 544/336  
3 706/11

3 706/911  
 3 707/203  
 3 709/223  
 3 709/226  
 3 709/229  
 3 709/246  
 3 713/170  
 3 713/176  
 3 715/501.1  
 3 715/515  
 3 715/516  
 3 715/517  
 3 715/530  
 3 715/533  
 3 717/114  
 3 717/141  
 2 235/380  
 2 235/487  
 2 332/146  
 2 369/275.3  
 2 370/258  
 2 380/273  
 2 380/277  
 2 380/286  
 2 380/44  
 2 382/305  
 2 514/532  
 2 544/224  
 2 544/335  
 2 546/101  
 2 546/110  
 2 546/143  
 2 546/247  
 2 546/339  
 2 549/23  
 2 549/26  
 2 549/27  
 2 549/280  
 2 549/288  
 2 549/404  
 2 549/497  
 2 549/78  
 2 560/105  
 2 560/124  
 2 560/18  
 2 560/8  
 2 568/808  
 2 705/14  
 2 705/26  
 2 705/404  
 2 705/51  
 2 705/71  
 2 705/75  
 2 705/76  
 2 706/53  
 2 706/917  
 2 707/204  
 2 707/205  
 2 707/7  
 2 707/8  
 2 707/9  
 2 709/201  
 2 709/218

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2 711/144  
2 711/152  
2 713/155  
2 713/161  
2 713/165  
2 713/166  
2 713/180  
2 713/182  
2 713/189  
2 715/500  
2 715/500.1  
2 715/506  
2 715/507  
2 715/512  
2 715/526  
2 715/531  
2 715/532  
2 715/700  
2 715/764  
2 717/140  
2 717/143  
2 719/315

Combined Classifications

45 715/513  
42 707/3  
36 707/100  
35 707/102  
28 707/4  
27 707/104.1  
24 707/101  
21 707/10  
16 707/103R  
16 707/2  
13 707/1  
12 707/5  
10 707/6  
9 715/523  
8 709/217  
7 707/203  
6 709/203  
6 987/113  
5 568/808  
5 707/200  
5 713/176  
5 715/501.1  
5 715/514  
4 709/219  
4 709/226  
4 709/229  
4 715/515  
4 715/517  
4 715/530  
3 370/223  
3 540/200  
3 544/336  
3 560/124  
3 705/26  
3 706/11  
3 706/911  
3 707/204  
3 707/7  
3 707/8

3 709/223  
3 709/225  
3 709/246  
3 713/170  
3 715/500  
3 715/516  
3 715/531  
3 715/533  
3 715/762  
3 717/114  
3 717/137  
3 717/141  
3 717/143  
2 235/380  
2 235/462.01  
2 235/487  
2 332/103  
2 332/146  
2 369/275.3  
2 370/258  
2 380/273  
2 380/277  
2 380/286  
2 380/44  
2 382/305  
2 504/241  
2 514/183  
2 514/256  
2 514/531  
2 514/532  
2 544/224  
2 544/316  
2 544/333  
2 544/335  
2 546/101  
2 546/110  
2 546/143  
2 546/247  
2 546/339  
2 548/154  
2 548/181  
2 548/562  
2 549/23  
2 549/26  
2 549/27  
2 549/280  
2 549/288  
2 549/404  
2 549/497  
2 549/78  
2 552/8  
2 560/105  
2 560/18  
2 560/8  
2 703/6  
2 704/9  
2 705/14  
2 705/404  
2 705/51  
2 705/7  
2 705/71  
2 705/75  
2 705/76

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2 706/45  
2 706/53  
2 706/917  
2 707/205  
2 707/9  
2 709/201  
2 709/218  
2 709/228  
2 711/144  
2 711/152  
2 711/202  
2 711/203  
2 713/155  
2 713/161  
2 713/165  
2 713/166  
2 713/167  
2 713/180  
2 713/182  
2 713/189  
2 714/26  
2 714/38  
2 715/500.1  
2 715/506  
2 715/507  
2 715/512  
2 715/522  
2 715/526  
2 715/532  
2 715/700  
2 715/751  
2 715/764  
2 717/108  
2 717/122  
2 717/140  
2 719/315  
2 726/9

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10662799 on January 13, 2006

- 45 715/513 (18 OR, 27 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 PRESENTATION PROCESSING OF DOCUMENT  
715/513 .Structured document (e.g., HTML, SGML, ODA,  
CDA)
- 42 707/3 (19 OR, 23 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)
- 36 707/100 (15 OR, 21 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE
- 35 707/102 (14 OR, 21 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/102 .Generating database or data structure (e.g.,  
via user interface)
- 28 707/4 (11 OR, 17 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/3 .Query processing (i.e., searching)  
707/4 ..Query formulation, input preparation, or  
translation
- 27 707/104.1 (6 OR, 21 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/104.1 .Application of database or data structure  
(e.g., distributed, multimedia, image)
- 24 707/101 (5 OR, 19 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/101 .Manipulating data structure (e.g.,  
compression, compaction, compilation)
- 21 707/10 (7 OR, 14 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/1 DATABASE OR FILE ACCESSING  
707/10 .Distributed or remote access
- 16 707/103R (7 OR, 9 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/103R .Object-oriented database structure

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- 16 707/2 (7 OR, 9 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/2 .Access augmentation or optimizing
- 13 707/1 (7 OR, 6 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING
- 12 707/5 (5 OR, 7 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/3 .Query processing (i.e., searching)  
 707/5 ..Query augmenting and refining (e.g., inexact  
 access)
- 10 707/6 (4 OR, 6 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/3 .Query processing (i.e., searching)  
 707/6 ..Pattern matching access
- 9 715/523 (2 OR, 7 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/517 .Layout  
 715/523 ..Format transformation
- 8 709/217 (2 OR, 6 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/217 REMOTE DATA ACCESSING
- 7 707/203 (4 OR, 3 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/200 FILE OR DATABASE MAINTENANCE  
 707/201 .Coherency (e.g., same view to multiple users)  
 707/203 ..Version management
- 6 709/203 (1 OR, 5 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/201 DISTRIBUTED DATA PROCESSING  
 709/203 .Client/server
- 6 987/113 (0 OR, 6 XR)  
 Class 987 : ORGANIC COMPOUNDS CONTAINING A Bi, Sb, As, OR  
 P ATOM OR CONTAINING A METAL ATOM OF THE 6TH TO 8TH  
 GROUP  
 OF THE PERIODIC SYSTEM  
 987/30 PHOSPHORUS COMPOUNDS (9/02; 9/06)  
 987/110 .Quaternary phosphonium compounds (C)a-P-(H)b  
 wherein a+b=4, a=1-4, b=1-3, (9/54; 9/54A1; 9/54A1+W;  
 9/54A1+W2)  
 987/113 ..Contains the structure (aryl group\*)-P where  
 \* indicates a direct bond between a carbon of the aryl

ring

and the P atom (9/54A4)

- 5 568/808 (3 OR, 2 XR)  
 Class 568 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 568/300 .OXYGEN CONTAINING (E.G., PERCHLORYLBENZENE,  
 ETC.)  
 568/700 ..Hydroxy containing (H of -OH may be replaced  
 by a Group IA or IIA light metal)  
 568/715 ...Benzene ring containing  
 568/807 ....Additional ring containing  
 568/808 .....Polycyclo ring system
- 5 707/200 (0 OR, 5 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/200 FILE OR DATABASE MAINTENANCE
- 5 713/176 (2 OR, 3 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/168 .Particular communication authentication  
 technique  
 713/176 ..Authentication by digital signature  
 representation or digital watermark
- 5 715/501.1 (2 OR, 3 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/501.1 .Hypermedia
- 5 715/514 (0 OR, 5 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT  
 715/500 PRESENTATION PROCESSING OF DOCUMENT  
 715/514 .Hierarchical control
- 4 709/219 (0 OR, 4 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/217 REMOTE DATA ACCESSING  
 709/219 .Accessing a remote server
- 4 709/226 (1 OR, 3 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/223 COMPUTER NETWORK MANAGING  
 709/226 .Network resource allocating
- 4 709/229 (1 OR, 3 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
 ESTABLISHING  
 709/229 .Network resources access controlling
- 4 715/515 (1 OR, 3 XR)  
 Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
 DOCUMENT



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715/500	PRESENTATION PROCESSING OF DOCUMENT
715/514	.Hierarchical control
715/515	..Compound document
4 715/517	(1 OR, 3 XR)
Class 715 :	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
715/500	PRESENTATION PROCESSING OF DOCUMENT
715/517	.Layout
4 715/530	(1 OR, 3 XR)
Class 715 :	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT
715/500	PRESENTATION PROCESSING OF DOCUMENT
715/530	.Edit, composition, or storage control
3 370/223	(3 OR, 0 XR)
Class 370 :	MULTIPLEX COMMUNICATIONS
370/216	FAULT RECOVERY
370/221	.Bypass an inoperative station
370/222	..In a ring or loop network
370/223	...Using a secondary ring or loop
3 540/200	(3 OR, 0 XR)
Class 540 :	ORGANIC COMPOUNDS -- PART OF THE CLASS
	532-570 SERIES
540/1	.HETEROCYCLIC CARBON COMPOUNDS CONTAINING A
	HETERO RING HAVING CHALCOGEN (I.E., OXYGEN, SULFUR,
	SELENIUM OR TELLURIUM) OR NITROGEN AS THE ONLY RING
HETERO	
	ATOMS
540/200	..Hetero ring is four-membered containing
	nitrogen and having chalcogen double bonded directly to a
	ring carbon which is adjacent to the ring nitrogen
3 544/336	(0 OR, 3 XR)
Class 544 :	ORGANIC COMPOUNDS -- PART OF THE CLASS
	532-570 SERIES
544/1	..Hetero ring is six-membered having two or
	more ring hetero atoms of which at least one is
nitrogen	(e.g., selenazines, etc.)
544/224	...The six-membered hetero ring consists of two
	nitrogens and four carbons (e.g., 1,2-diazines, etc.)
544/336	....1,4-diazines
3 560/124	(1 OR, 2 XR)
Class 560 :	ORGANIC COMPOUNDS -- PART OF THE CLASS
	532-570 SERIES
560/1	.Carboxylic acid esters
560/124	..Cyclopropyl in acid moiety
3 705/26	(1 OR, 2 XR)
Class 705 :	DATA PROCESSING: FINANCIAL, BUSINESS
	PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/1	AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
	PRACTICE OR MANAGEMENT ARRANGEMENT
705/26	.Electronic shopping (e.g., remote ordering)
3 706/11	(0 OR, 3 XR)
Class 706 :	DATA PROCESSING: ARTIFICIAL INTELLIGENCE
706/11	HAVING PARTICULAR USER INTERFACE

- 3 706/911 (0 OR, 3 XR)  
     Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
     706/902 APPLICATION USING AI WITH DETAIL OF THE AI  
                   SYSTEM  
     706/911 .Nonmedical diagnostics
- 3 707/204 (1 OR, 2 XR)  
     Class 707 : DATA PROCESSING: DATABASE AND FILE  
                   MANAGEMENT OR DATA STRUCTURES  
     707/200 FILE OR DATABASE MAINTENANCE  
     707/201 .Coherency (e.g., same view to multiple users)  
     707/204 ..Archiving or backup
- 3 707/7 (1 OR, 2 XR)  
     Class 707 : DATA PROCESSING: DATABASE AND FILE  
                   MANAGEMENT OR DATA STRUCTURES  
     707/1 DATABASE OR FILE ACCESSING  
     707/7 .Sorting
- 3 707/8 (1 OR, 2 XR)  
     Class 707 : DATA PROCESSING: DATABASE AND FILE  
                   MANAGEMENT OR DATA STRUCTURES  
     707/1 DATABASE OR FILE ACCESSING  
     707/8 .Concurrency (e.g., lock management in shared  
                   database)
- 3 709/223 (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/223 COMPUTER NETWORK MANAGING
- 3 709/225 (2 OR, 1 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/223 COMPUTER NETWORK MANAGING  
     709/225 .Computer network access regulating
- 3 709/246 (0 OR, 3 XR)  
     Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
     709/246 COMPUTER-TO-COMPUTER DATA MODIFYING
- 3 713/170 (0 OR, 3 XR)  
     Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
                   SYSTEMS: SUPPORT  
     713/150 MULTIPLE COMPUTER COMMUNICATION USING  
                   CRYPTOGRAPHY  
     713/168 .Particular communication authentication  
                   technique  
     713/170 ..Authentication of an entity and a message
- 3 715/500 (1 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                   DOCUMENT  
     715/500 PRESENTATION PROCESSING OF DOCUMENT
- 3 715/516 (0 OR, 3 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                   DOCUMENT  
     715/500 PRESENTATION PROCESSING OF DOCUMENT  
     715/514 .Hierarchical control  
     715/515 ..Compound document

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715/516      ...Matching application process to displayed data type

3 715/531      (1 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
     715/500      PRESENTATION PROCESSING OF DOCUMENT  
     715/530      .Edit, composition, or storage control  
     715/531      ..Text

3 715/533      (0 OR, 3 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
     715/500      PRESENTATION PROCESSING OF DOCUMENT  
     715/530      .Edit, composition, or storage control  
     715/531      ..Text  
     715/533      ...Spell check

3 715/762      (2 OR, 1 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT  
     715/700      OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
     715/762      .User interface development (e.g., GUI builder)

3 717/114      (0 OR, 3 XR)  
     Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
     717/100      SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
     717/114      .Programming language

3 717/137      (3 OR, 0 XR)  
     Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
     717/100      SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
     717/136      .Translation of code  
     717/137      ..Source-to-source programming language translation

3 717/141      (0 OR, 3 XR)  
     Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
     717/100      SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
     717/136      .Translation of code  
     717/140      ..Compiling code  
     717/141      ...Analysis of code form

3 717/143      (1 OR, 2 XR)  
     Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT  
     717/100      SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G., INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
     717/136      .Translation of code  
     717/140      ..Compiling code  
     717/141      ...Analysis of code form  
     717/143      ....Parsing, syntax analysis, and semantic analysis

- 2 235/380 (0 OR, 2 XR)  
     Class 235 : REGISTERS  
     235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
     235/380 .Credit or identification card systems
- 2 235/462.01 (2 OR, 0 XR)  
     Class 235 : REGISTERS  
     235/435 CODED RECORD SENSORS  
     235/439 .Particular sensor structure  
     235/454 ..Optical  
     235/462.01 ...Bar code
- 2 235/487 (0 OR, 2 XR)  
     Class 235 : REGISTERS  
     235/487 RECORDS
- 2 332/103 (2 OR, 0 XR)  
     Class 332 : MODULATORS  
     332/103 PHASE SHIFT KEYING MODULATOR OR QUADRATURE  
             AMPLITUDE MODULATOR
- 2 332/146 (0 OR, 2 XR)  
     Class 332 : MODULATORS  
     332/144 PHASE MODULATOR  
     332/146 .Including discrete semiconductor device
- 2 369/275.3 (0 OR, 2 XR)  
     Class 369 : DYNAMIC INFORMATION STORAGE OR RETRIEVAL  
     369/272.1 STORAGE MEDIUM STRUCTURE  
     369/275.1 .Optical track structure (e.g., phase or  
                 diffracting structure, etc.)  
     369/275.3 ..Track data format/layout
- 2 370/258 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/254 NETWORK CONFIGURATION DETERMINATION  
     370/257 .In a bus system  
     370/258 ..In a ring system
- 2 380/273 (0 OR, 2 XR)  
     Class 380 : CRYPTOGRAPHY  
     380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
     380/270 .Wireless communication  
     380/273 ..Rekeying system
- 2 380/277 (0 OR, 2 XR)  
     Class 380 : CRYPTOGRAPHY  
     380/277 KEY MANAGEMENT
- 2 380/286 (0 OR, 2 XR)  
     Class 380 : CRYPTOGRAPHY  
     380/277 KEY MANAGEMENT  
     380/286 .Key escrow or recovery
- 2 380/44 (0 OR, 2 XR)  
     Class 380 : CRYPTOGRAPHY  
     380/277 KEY MANAGEMENT  
     380/44 .Having particular key generator
- 2 382/305 (0 OR, 2 XR)  
     Class 382 : IMAGE ANALYSIS  
     382/276 IMAGE TRANSFORMATION OR PREPROCESSING  
     382/305 .Image storage or retrieval

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- 2 504/241 (2 OR, 0 XR)  
 Class 504 : PLANT PROTECTING AND REGULATING COMPOSITIONS
- 504/116.1 PLANT GROWTH REGULATING COMPOSITIONS (E.G.,  
 HERBICIDES, ETC.)
- 504/189 .Organic active compound containing  
 504/209 ..Hetero ring containing  
 504/235 ...Hetero ring is six-membered consisting of  
 two nitrogens and four carbons (e.g., 1,4-diazines,  
 etc.)
- 504/239 ....1,3-diazines (including hydrogenated)  
 504/240 .....Polycyclo ring system having the diazine  
 ring as one of the cyclos  
 504/241 .....Three or more ring hetero atoms in the  
 polycyclo ring system
- 2 514/183 (1 OR, 1 XR)  
 Class 514 : DRUG, BIO-AFFECTING AND BODY TREATING  
 COMPOSITIONS
- 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING  
 (DOAI)
- 514/183 .Heterocyclic carbon compounds containing a  
 hetero ring having chalcogen (i.e., O,S,Se or Te) or  
 nitrogen as the only ring hetero atoms DOAI
- 2 514/256 (1 OR, 1 XR)  
 Class 514 : DRUG, BIO-AFFECTING AND BODY TREATING  
 COMPOSITIONS
- 514/1 DESIGNATED ORGANIC ACTIVE INGREDIENT CONTAINING  
 (DOAI)
- 514/183 .Heterocyclic carbon compounds containing a  
 hetero ring having chalcogen (i.e., O,S,Se or Te) or  
 nitrogen as the only ring hetero atoms DOAI
- 514/247 ..Hetero ring is six-membered consisting of two  
 nitrogens and four carbon atoms (e.g., pyridazines,  
 etc.)
- 514/256 ...1,3-diazines (e.g., pyrimidines, etc.)
- 2 514/531 (2 OR, 0 XR)  
 Class 514 : DRUG, BIO-AFFECTING AND BODY TREATING  
 COMPOSITIONS
- 514/266.24 .....The additional hetero ring consists of  
 carbon and chalcogen as the only ring members
- 514/506 .Ester DOAI
- 514/529 ..Z-C(=O)-O-Y wherein Z is hydrogen or an  
 organic radical bonded to the C(=O) by a carbon and Y is  
 an  
 organic radical bonded to the oxygen by a carbon
- 514/531 ...Z contains a cyclopropyl or cyclopropene  
 ring
- 2 514/532 (0 OR, 2 XR)  
 Class 514 : DRUG, BIO-AFFECTING AND BODY TREATING  
 COMPOSITIONS
- 514/266.24 .....The additional hetero ring consists of  
 carbon and chalcogen as the only ring members
- 514/506 .Ester DOAI
- 514/529 ..Z-C(=O)-O-Y wherein Z is hydrogen or an  
 organic radical bonded to the C(=O) by a carbon and Y is  
 an

- organic radical bonded to the oxygen by a carbon  
 514/532 ...Z-C(=O)-O-Y, wherein Z contains a benzene ring
- 2 544/224 (0 OR, 2 XR)  
 Class 544 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 544/1 ..Hetero ring is six-membered having two or more ring hetero atoms of which at least one is nitrogen (e.g., selenazines, etc.)  
 544/224 ...The six-membered hetero ring consists of two nitrogens and four carbons (e.g., 1,2-diazines, etc.)
- 2 544/316 (2 OR, 0 XR)  
 Class 544 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 544/1 ..Hetero ring is six-membered having two or more ring hetero atoms of which at least one is nitrogen (e.g., selenazines, etc.)  
 544/224 ...The six-membered hetero ring consists of two nitrogens and four carbons (e.g., 1,2-diazines, etc.)  
 544/242 ....1,3-diazines  
 544/298 .....Chalcogen bonded directly to diazine ring carbon  
 544/315 .....At 2-position  
 544/316 .....Nitrogen attached directly or indirectly to the diazine ring by nonionic bonding
- 2 544/333 (1 OR, 1 XR)  
 Class 544 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 544/1 ..Hetero ring is six-membered having two or more ring hetero atoms of which at least one is nitrogen (e.g., selenazines, etc.)  
 544/224 ...The six-membered hetero ring consists of two nitrogens and four carbons (e.g., 1,2-diazines, etc.)  
 544/242 ....1,3-diazines  
 544/333 .....Additional hetero ring which is unsaturated
- 2 544/335 (0 OR, 2 XR)  
 Class 544 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 544/1 ..Hetero ring is six-membered having two or more ring hetero atoms of which at least one is nitrogen (e.g., selenazines, etc.)  
 544/224 ...The six-membered hetero ring consists of two nitrogens and four carbons (e.g., 1,2-diazines, etc.)  
 544/242 ....1,3-diazines  
 544/335 .....Chalcogen attached indirectly to the diazine ring by nonionic bonding
- 2 546/101 (0 OR, 2 XR)  
 Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 546/1 ..Hetero ring is six-membered consisting of one nitrogen and five carbons  
 546/26 ...Polycyclo ring system having the six-membered hetero ring as one of the cyclos

- 546/79 ....Tricyclo ring system having the  
six-membered hetero ring as one of the cyclos
- 546/101 .....Each of the three cyclos is six-membered  
(e.g., benzoquinolines, etc.)
- 2 546/110 (0 OR, 2 XR)  
Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 546/1 ..Hetero ring is six-membered consisting of one  
nitrogen and five carbons
- 546/26 ...Polycyclo ring system having the  
six-membered hetero ring as one of the cyclos
- 546/79 ....Tricyclo ring system having the  
six-membered hetero ring as one of the cyclos
- 546/101 .....Each of the three cyclos is six-membered  
(e.g., benzoquinolines, etc.)
- 546/110 .....Chalcogen or -C(=X)-, wherein X is  
chalcogen, attached directly to the six membered hetero  
ring by nonionic bonding
- 2 546/143 (0 OR, 2 XR)  
Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 546/1 ..Hetero ring is six-membered consisting of one  
nitrogen and five carbons
- 546/26 ...Polycyclo ring system having the  
six-membered hetero ring as one of the cyclos
- 546/112 ....Bicyclo ring system having the six-membered  
hetero ring as one of the cyclos
- 546/139 .....Isoquinolines (including hydrogenated)
- 546/143 .....Nitrogen, other than as nitro or nitroso,  
attached directly to the isoquinoline ring system by  
nonionic bonding
- 2 546/247 (0 OR, 2 XR)  
Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 546/1 ..Hetero ring is six-membered consisting of one  
nitrogen and five carbons
- 546/184 ...Piperidines
- 546/246 ....Nitrogen attached indirectly to the  
piperidine ring by nonionic bonding
- 546/247 .....Acyclic nitrogen bonded directly to a  
-C(=X)- group, wherein X is chalcogen
- 2 546/339 (0 OR, 2 XR)  
Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 546/1 ..Hetero ring is six-membered consisting of one  
nitrogen and five carbons
- 546/339 ...Chalcogen attached indirectly to the  
six-membered hetero ring by nonionic bonding (e.g.,  
sulfato  
betaines, etc.)
- 2 548/154 (1 OR, 1 XR)  
Class 548 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 548/100 ..Hetero ring is five-membered having two or  
more ring hetero atoms of which at least one is  
nitrogen  
(e.g., selenazoles, etc.)
- 548/146 ...1,3-thiazoles (including hydrogenated)

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- 548/148 ....Polycyclo ring system having the thiazole  
ring as one of the cyclos
- 548/152 .....Bicyclo ring system having the thiazole  
ring as one of the cyclos
- 548/153 .....At least three ring hetero atoms in the  
bicyclo ring system
- 548/154 .....Ring nitrogen is shared by the two  
cyclos
- 2 548/181 (1 OR, 1 XR)  
Class 548 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 548/100 ..Hetero ring is five-membered having two or  
more ring hetero atoms of which at least one is  
nitrogen  
(e.g., selenazoles, etc.)
- 548/146 ...1,3-thiazoles (including hydrogenated)
- 548/181 ....Polycyclo heterocyclic ring system  
containing ring nitrogen
- 2 548/562 (1 OR, 1 XR)  
Class 548 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 548/400 ..Hetero ring is five-membered consisting of  
one nitrogen and four carbons (e.g., halopyrrolidines,  
etc.)
- 548/560 ...Two double bonds between ring members of the  
five-membered hetero ring
- 548/562 ....Chalcogen attached indirectly to the  
five-membered hetero ring by acyclic nonionic bonding
- 2 549/23 (0 OR, 2 XR)  
Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 549/1 ..Sulfur containing hetero ring (e.g.,  
thiiranes, etc.)
- 549/13 ...The hetero ring is six-membered
- 549/23 ....Polycyclo ring system having the hetero  
ring as one of the cyclos
- 2 549/26 (0 OR, 2 XR)  
Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 549/1 ..Sulfur containing hetero ring (e.g.,  
thiiranes, etc.)
- 549/13 ...The hetero ring is six-membered
- 549/23 ....Polycyclo ring system having the hetero  
ring as one of the cyclos
- 549/26 .....Tricyclo ring system having the hetero  
ring as one of the cyclos
- 2 549/27 (0 OR, 2 XR)  
Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
532-570 SERIES
- 549/1 ..Sulfur containing hetero ring (e.g.,  
thiiranes, etc.)
- 549/13 ...The hetero ring is six-membered
- 549/23 ....Polycyclo ring system having the hetero  
ring as one of the cyclos
- 549/26 .....Tricyclo ring system having the hetero  
ring as one of the cyclos
- 549/27 .....Chalcogen attached directly to the hetero  
ring by nonionic bonding



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- 2 549/280 (0 OR, 2 XR)  
 Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 549/200 ..Oxygen containing hetero ring (e.g.,  
 dioxirane, etc.)  
 549/263 ...Lactones (i.e., -C(=X)O-, wherein X is  
 chalcogen, is part of the hetero ring)  
 549/273 ....The lactone ring is six-membered  
 549/275 .....Polycyclo ring system having the lactone  
 ring as one of the cyclos  
 549/280 .....Tricyclo ring system having the lactone  
 ring as one of the cyclos
- 2 549/288 (0 OR, 2 XR)  
 Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 549/200 ..Oxygen containing hetero ring (e.g.,  
 dioxirane, etc.)  
 549/263 ...Lactones (i.e., -C(=X)O-, wherein X is  
 chalcogen, is part of the hetero ring)  
 549/273 ....The lactone ring is six-membered  
 549/275 .....Polycyclo ring system having the lactone  
 ring as one of the cyclos  
 549/283 .....Bicyclo ring system having the lactone  
 ring as one of the cyclos  
 549/288 .....Nitrogen bonded directly to the bicyclo  
 ring system
- 2 549/404 (0 OR, 2 XR)  
 Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 549/200 ..Oxygen containing hetero ring (e.g.,  
 dioxirane, etc.)  
 549/356 ...The hetero ring is six-membered  
 549/381 ....Polycyclo ring system having the hetero  
 ring as one of the cyclos  
 549/396 .....Bicyclo ring system having the hetero ring  
 as one of the cyclos  
 549/398 .....The bicyclo ring system consists of the  
 hetero ring and a six-membered carbocyclic ring  
 549/404 .....Nitrogen bonded directly to the bicyclo  
 ring system
- 2 549/497 (0 OR, 2 XR)  
 Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 549/200 ..Oxygen containing hetero ring (e.g.,  
 dioxirane, etc.)  
 549/429 ...The hetero ring is five-membered  
 549/497 ....Chalcogen attached indirectly to the hetero  
 ring by nonionic bonding
- 2 549/78 (0 OR, 2 XR)  
 Class 549 : ORGANIC COMPOUNDS -- PART OF THE CLASS  
 532-570 SERIES  
 549/1 ..Sulfur containing hetero ring (e.g.,  
 thiiranes, etc.)  
 549/29 ...The hetero ring is five-membered  
 549/78 ....Chalcogen attached indirectly to the hetero  
 ring by nonionic bonding
- 2 552/8 (1 OR, 1 XR)

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Class 552 : ORGANIC COMPOUNDS -- PART OF THE CLASS
          532-570 SERIES
552/1    .Azides
552/8    ..Benzene ring bonded directly to the azide
          group

2 560/105 (0 OR, 2 XR)
Class 560 : ORGANIC COMPOUNDS -- PART OF THE CLASS
          532-570 SERIES
560/1    .Carboxylic acid esters
560/8    ..Aromatic acid moiety
560/103  ...Monocyclic acid moiety
560/105  ....Carboxyl, not bonded directly to a ring, in
          acid moiety

2 560/18  (0 OR, 2 XR)
Class 560 : ORGANIC COMPOUNDS -- PART OF THE CLASS
          532-570 SERIES
560/1    .Carboxylic acid esters
560/8    ..Aromatic acid moiety
560/9    ...Sulfur in acid moiety
560/18   ....Ester function attached directly to a ring

2 560/8   (0 OR, 2 XR)
Class 560 : ORGANIC COMPOUNDS -- PART OF THE CLASS
          532-570 SERIES
560/1    .Carboxylic acid esters
560/8    ..Aromatic acid moiety

2 703/6   (1 OR, 1 XR)
Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,
          MODELING, SIMULATION, AND EMULATION
703/6    SIMULATING NONELECTRICAL DEVICE OR SYSTEM

2 704/9   (2 OR, 0 XR)
Class 704 : DATA PROCESSING: SPEECH SIGNAL PROCESSING,
          LINGUISTICS, LANGUAGE TRANSLATION, AND AUDIO
          COMPRESSION/DECOMPRESSION
704/1    LINGUISTICS
704/9    .Natural language

2 705/14  (0 OR, 2 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
          PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/1    AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS
          PRACTICE OR MANAGEMENT ARRANGEMENT
705/14   .Distribution or redemption of coupon, or
          incentive or promotion program

2 705/404 (0 OR, 2 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
          PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/400  FOR COST/PRICE
705/401  .Postage meter system
705/404  ..Record keeping

2 705/51  (0 OR, 2 XR)
Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS
          PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION
705/50   BUSINESS PROCESSING USING CRYPTOGRAPHY
705/51   .Usage protection of distributed data files

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- 2 705/7 (1 OR, 1 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
 PRACTICE OR MANAGEMENT ARRANGEMENT  
 705/7 .Operations research
- 2 705/71 (0 OR, 2 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/64 .Secure transaction (e.g., EFT/POS)  
 705/71 ..Including key management
- 2 705/75 (0 OR, 2 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/64 .Secure transaction (e.g., EFT/POS)  
 705/75 ..Transaction verification
- 2 705/76 (0 OR, 2 XR)  
 Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
 PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION  
 705/50 BUSINESS PROCESSING USING CRYPTOGRAPHY  
 705/64 .Secure transaction (e.g., EFT/POS)  
 705/76 ..Electronic credential
- 2 706/45 (1 OR, 1 XR)  
 Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
 706/45 KNOWLEDGE PROCESSING SYSTEM
- 2 706/53 (0 OR, 2 XR)  
 Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
 706/45 KNOWLEDGE PROCESSING SYSTEM  
 706/46 .Knowledge representation and reasoning  
 technique  
 706/53 ..Frame-based reasoning system
- 2 706/917 (0 OR, 2 XR)  
 Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
 706/902 APPLICATION USING AI WITH DETAIL OF THE AI  
 SYSTEM  
 706/911 .Nonmedical diagnostics  
 706/917 ..Communication
- 2 707/205 (0 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/200 FILE OR DATABASE MAINTENANCE  
 707/205 .File allocation
- 2 707/9 (0 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
 MANAGEMENT OR DATA STRUCTURES  
 707/1 DATABASE OR FILE ACCESSING  
 707/9 .Privileged access
- 2 709/201 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/201 DISTRIBUTED DATA PROCESSING

- 2 709/218 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/217 REMOTE DATA ACCESSING  
 709/218 .Using interconnected networks
- 2 709/228 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING  
 709/227 COMPUTER-TO-COMPUTER SESSION/CONNECTION  
 ESTABLISHING  
 709/228 .Session/connection parameter setting
- 2 711/144 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/117 .Hierarchical memories  
 711/118 ..Caching  
 711/141 ...Coherency  
 711/144 ....Cache status data bit
- 2 711/152 (0 OR, 2 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/100 STORAGE ACCESSING AND CONTROL  
 711/147 .Shared memory area  
 711/152 ..Memory access blocking
- 2 711/202 (1 OR, 1 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/200 ADDRESS FORMATION  
 711/202 .Address mapping (e.g., conversion,  
 translation)
- 2 711/203 (1 OR, 1 XR)  
 Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MEMORY  
 711/200 ADDRESS FORMATION  
 711/202 .Address mapping (e.g., conversion,  
 translation)  
 711/203 ..Virtual addressing
- 2 713/155 (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/155 .Central trusted authority provides computer  
 authentication
- 2 713/161 (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/160 .Packet header designating cryptographically  
 protected data  
 713/161 ..Data authentication

- 2 713/165 (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

- 713/150      SYSTEMS: SUPPORT  
 MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/164      .Security kernel or utility  
 713/165      ..File protection
- 2 713/166      (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150      MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/164      .Security kernel or utility  
 713/166      ..Security levels
- 2 713/167      (2 OR, 0 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150      MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/164      .Security kernel or utility  
 713/167      ..Object protection
- 2 713/180      (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/150      MULTIPLE COMPUTER COMMUNICATION USING  
 CRYPTOGRAPHY  
 713/168      .Particular communication authentication  
 technique  
 713/180      ..Generating specific digital signature type  
 (e.g., blind, shared, or undeniable)
- 2 713/182      (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/182      SYSTEM ACCESS CONTROL BASED ON USER  
 IDENTIFICATION BY CRYPTOGRAPHY
- 2 713/189      (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/189      DATA PROCESSING PROTECTION USING CRYPTOGRAPHY
- 2 714/26      (1 OR, 1 XR)  
 Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
 DETECTION/RECOVERY  
 714/100      DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING  
 714/1      .Reliability and availability  
 714/25      ..Fault locating (i.e., diagnosis or testing)  
 714/26      ...Artificial intelligence (e.g., diagnostic  
 expert system)
- 2 714/38      (2 OR, 0 XR)  
 Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
 DETECTION/RECOVERY  
 714/100      DATA PROCESSING SYSTEM ERROR OR FAULT HANDLING  
 714/1      .Reliability and availability  
 714/25      ..Fault locating (i.e., diagnosis or testing)

- 714/37           ...Analysis (e.g., of output, state, or design)
- 714/38           ....Of computer software
- 2 715/500.1       (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/500.1     .Synchronization of diverse media
- 2 715/506        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/505       .Form  
     715/506       ..Form creation
- 2 715/507        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/505       .Form  
     715/507       ..Form filling
- 2 715/512        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/512       .Annotation control
- 2 715/522        (1 OR, 1 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/517       .Layout  
     715/522       ..Format information in separate file
- 2 715/526        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/526       .Display processing
- 2 715/532        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/500       PRESENTATION PROCESSING OF DOCUMENT  
     715/530       .Edit, composition, or storage control  
     715/531       ..Text  
     715/532       ...Dictionary
- 2 715/700        (0 OR, 2 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/700       OPERATOR INTERFACE (E.G., GRAPHICAL USER  
                  INTERFACE)
- 2 715/751        (1 OR, 1 XR)  
     Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
                  DOCUMENT  
     715/700       OPERATOR INTERFACE (E.G., GRAPHICAL USER  
                  INTERFACE)  
     715/751       .Computer supported collaborative work between

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plural users

- 2 715/764 (0 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)  
715/764 .On-screen workspace or object
- 2 717/108 (2 OR, 0 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
717/106 .Code generation  
717/108 ..Object oriented
- 2 717/122 (1 OR, 1 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
717/120 .Managing software components  
717/122 ..Source code version
- 2 717/140 (0 OR, 2 XR)  
Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT  
717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)  
717/136 .Translation of code  
717/140 ..Compiling code
- 2 719/315 (0 OR, 2 XR)  
Class 719 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: INTERPROGRAM COMMUNICATION OR INTERPROCESS  
COMMUNICATION (IPC)  
719/313 INTERPROGRAM COMMUNICATION USING MESSAGE  
719/315 .Object oriented message
- 2 726/9 (2 OR, 0 XR)  
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Could not find class schedule.  
Could not find subclass title.